

**Subgroup #1 – Site Specific Standard Development  
August 23, 2016 Meeting**

**Sideboards/Considerations**

1. Legally defensible
2. Act 21
3. Applicable codes
  - a. NR 722.09
  - b. NR 722.11(3)
  - c. ss. 292.11(3)
4. Whatever approach is developed (i.e. value or process) it needs to:
  - a. Meet 80/20 Rule
  - b. Provide consistency
  - c. Result in reproducible results/process (i.e. same inputs will equal similar outputs)
5. Consider a parallel path for sediment and soil
  - a. Soil - NR 720 process
    - i. Industrial
    - ii. Non-industrial
    - iii. Groundwater Pathway
    - iv. Risk Management
  - b. Sediment
    - i. Rural
    - ii. Urban
6. What type of guidance are we creating?
  - a. Sediment Assessment
  - b. Sediment Management
  - c. Sediment Cleanup
  - d. All of the above

**Legal Issues**

1. Applicability of Act 21
2. Legal Authority

**Question: What does “...to the extent practicable” mean?**

**Factors**

1. Source
  - a. Source Identification
  - b. Source Control

1. Upstream
  2. Upland
  3. Potential for recontamination
2. Background
  - a. Natural
  - b. Manmade
  - c. Fingerprinting (also listed under "Contaminant Type/Characteristics/Depth")
3. Contaminant Type/Characteristics/Depth
  - a. Stability
  - b. Bio-accumulators
  - c. TOC
  - d. Fingerprinting (also listed under "Background")
  - e. Water Chemistry
  - f. Common Contaminants
    1. PAHs
    2. PCBs
    3. Metals
  - g. Shallow vs. Deep Sediment Contamination(also listed under "Geology")
    1. Soft Sediment
    2. Semi-Consolidated Material
    3. Till
    4. Benthic Zone
4. Waterbody
  - a. Type
    1. River
    2. Lake
    3. Stream
    4. Ditch
    5. Exceptional Waterway
    6. Impaired
  - b. Characteristics
    1. Depositional
    2. Scour
5. Environment
  - a. Rural
    1. Agricultural
  - b. Urban
    1. Levels of urban?
  - c. Urban Fringe
  - d. Areas of Continued Discharge

1. WPDES Permits
    2. Outfalls
    3. TMDLs
  - e. Fish Advisory Area
  - f. Sensitive Environment  
(Refer to NR716.07(8) for additional criteria)
    1. Protected/Endangered Species
    2. Wetlands
  - g. Areas of 'high use'
    1. Federal Navigation Channel
    2. Turning Basin
  - h. Final Intended Use of "Project" Area
    1. Institutional Controls/Continuing Obligations (also listed under "Project Type")
6. Project Type
- a. Define degree and extent or Large/Complex Project
    1. NR 700
    2. Known RP
    3. State Funded Response
  - b. Deal w/ project area only or Small/Simple Project  
(these could eventually end up in the "Define the Degree and Extent or Large/Complex" category)
    1. NR 347
    2. DOT project
    3. Emergency Cleanup
  - c. Final Intended Use of Area
    1. Institutional Controls/Continuing Obligations (also listed under "Environment")
7. Geology
- a. Shallow vs. Deep Sediment Contamination (also listed under "Contaminant Type/Characteristics/Depth")
    1. Soft Sediment
    2. Semi-Consolidated Material
    3. Till
    4. Benthic Zone
8. Practicality
- a. Technical
  - b. Economic
  - c. Maximum Extent Practicable (MEP)
9. Other

### **Potential Resources**

1. 2005 ITRC
2. ASTM – Draft
3. EPA Sediment Guidance
4. [Contaminated Sediments Remediation, Remedy Selection for Contaminated Sediments, August 2014, ITRC](#)
5. [Contaminated Sediment Remediation Guidance for Hazardous Waste Sites, EPA-540-R-05-012, December 2005, United States Environmental Protection Agency](#)
6. [Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments, Interim Final, EPA 540-R-97-006, Jun 1997, United States Environmental Protection Agency](#)